



Remote Sensing Applications Division (RSAD)

CDR Program Office

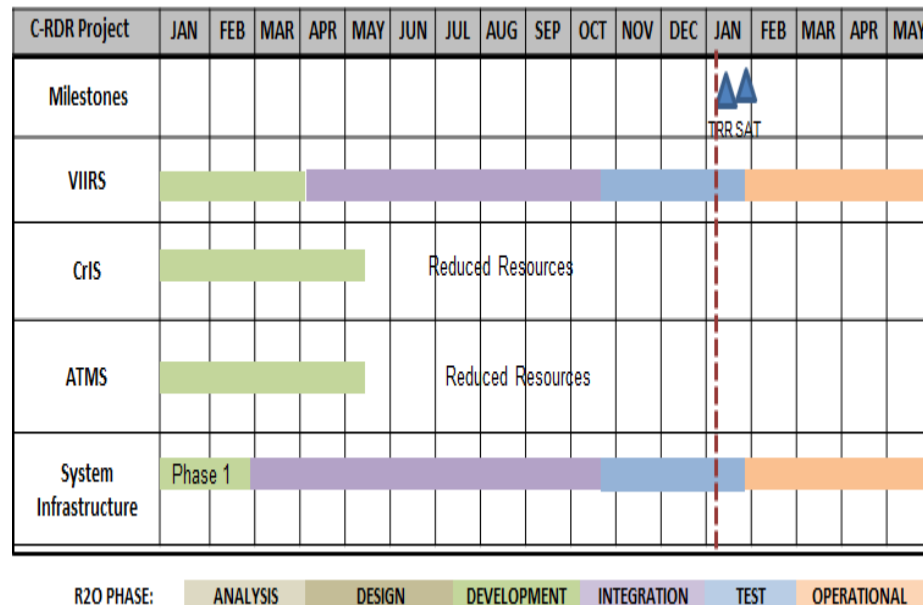
Weekly Report for Jan 4, 2013
Jeff Privette, Acting Chief

CDR Program Office

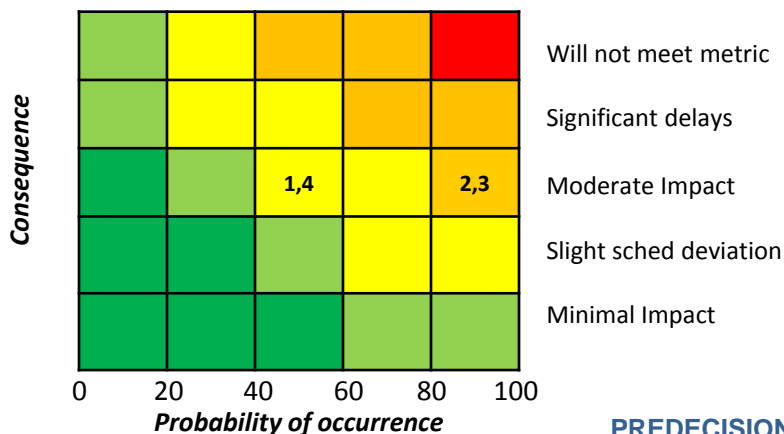
NPP/JPSS Climate Raw Data Records (C-RDRs) Project

Weekly Report – January 4, 2013

- ① **VIIRS**
 - Completed code for C-RDR and Support Data..
- ② **CrIS**
 - Postponed.
- ③ **ATMS**
 - Postponed.
- ④ **System Infrastructure**
 - Integrating with the VIIRS C-RDR.
 - Holidays and preparing for AMS.
 - Continued processing stream and resolving issues.
 - Updating the System Acceptance Test procedure.
 - Completed Verified RDR comparator and verified first C-RDR.
 - Integrating: Ingest data from CLASS and producing C-RDRs.
 - Will deliver initial version with ADL 3.1.



Risk Matrix



Risk and Mitigation

VIIRS, CrIS, ATMS –

- Resources are being reduced. Delivery of CrIS and ATMS will be delayed.
- Operational software is under maintenance, updated versions may affect C-RDR ported version.

System Infrastructure –

- Reliability of NPP RDRs from CLASS. Need to test ingest of RDRs from CLASS and develop an automated mechanism for re-requesting data.
- Ability of CLASS to handle the frequency and volume of NPP data. CLASS has been successful during system tests.
- Archive in CLASS is currently cost prohibitive. Need to identify alternate archive. Plan to store C-RDRs on HPSS until migration to CLASS.

PREDECISIONAL DRAFT INFORMATION

CDR Program Office

OISST Research to Operations Project

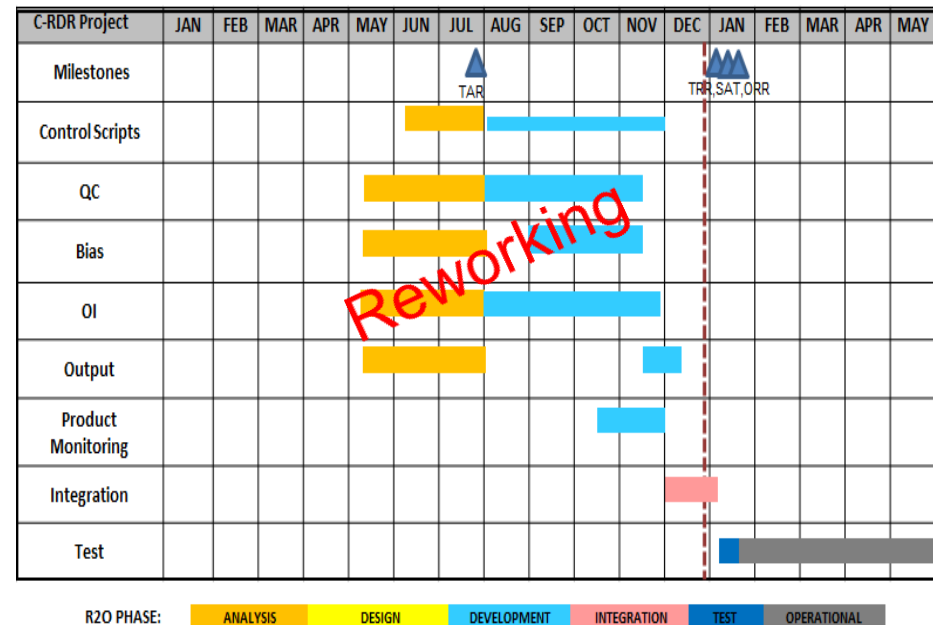
Weekly Report – January 4, 2013

1 OISST – Optimum Interpolated Sea Surface Temperature

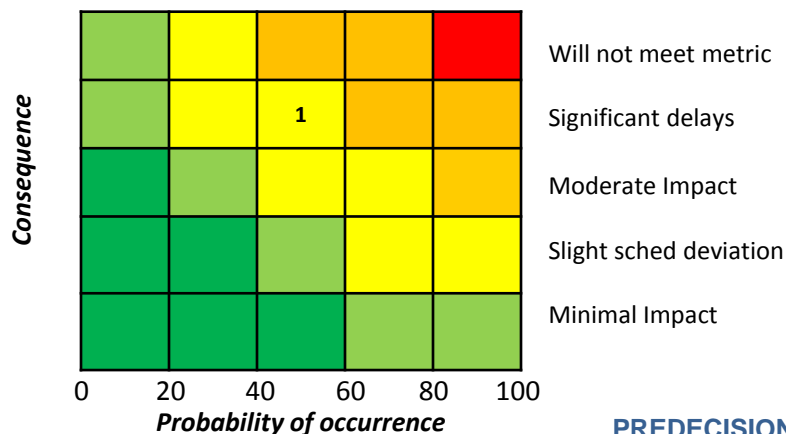
- Started working output code and control scripts.
- Refactoring code (QC, OI).
- Schedule update to reflect staffing reduction.
- Conducted Bias code review.
- Implementing common logger calls.
- Integrated a common logging utility and identified log levels.
- Investigating the use of SPEC for product monitoring.
- Conducted code review, refactor and unit test of ship_bias.f90.
- Evaluating validity/duplicates in compile options & static analysis.
- Defined list of tasks for refactoring of each component.
- Developing tests (functional & component) to verify code.
- Completed testing of static analysis and complexity tools.
- Conducted Technology Assessment Review July 25.

Operations:

- Updated and tested scripts to handle new sea ice data format.



Risk Matrix



Risk and Mitigation

- Resource availability for performing the transition.
- Configuration Management (CM) process not defined for operations.
- No Quality Assurance team available.
- Modifying existing software for internal software changes. Product output must remain unchanged for users.
- Common infrastructure for operations is not fully defined.
- OISST processing will be on a 64 bit architecture.

PREDECISIONAL DRAFT INFORMATION



CDR Program Office

GST FY13 5.0 Support NCDC Algorithm Assessment

Weekly Report – January 4, 2013

1. IOC to FOC / Software Rejuvenation Decision

- Sent questionnaire and SME responses to RSAD Managers. **Due Date January 4.**
- SMEs were asked to review each other's responses and provide additional information.

2. IOC to FOC Software Cost Estimation

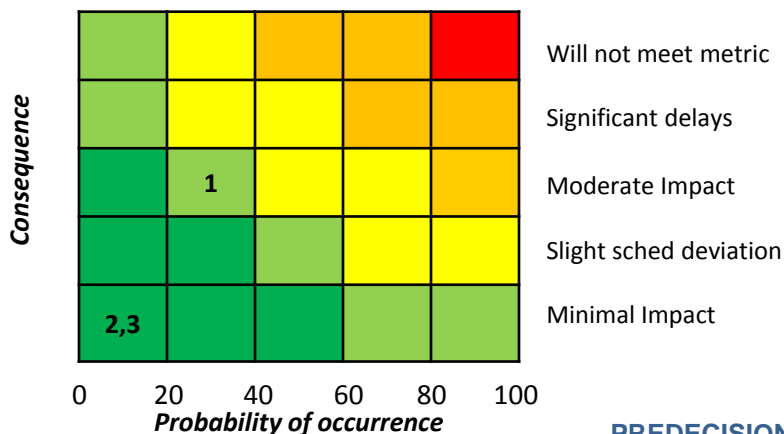
- Comparing costs estimated from the CDRP Parametric Cost Model, the Algorithm Rejuvenation White Paper, and the COCOMO II model.

3. Process

- Sprint FY13.B will end Friday January 11 with the Sprint Review meeting. All welcome.

FY13 IOC to FOC		N				Dec				Jan				Feb				Ma
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
		24-30	1-7	8-14	15-22	23-29	30-4	5-11	12-18	19-25	26-1	2-8	9-15	16-22	23-1	2-8	9-15	
Sprint	Principal Focus																	
A	IOC to FOC Selection																	
B	IOC to FOC Selection																	
C	Project Planning																	
D	TBD																	
E	TBD																	
F	TBD																	
G	TBD																	
H	TBD																	
I	TBD																	

Risk Matrix



Top Risks and Mitigation

R8. Personnel on task at maximum work load

- With recent budget cuts to the CDRP the personnel still engaged on this task are at maximum work level. More budget challenges could result in the loss of the remaining key personnel and jeopardize the completion of this task.

R10. No sustainable commitment for independent Quality Assurance

- QA will be performed by team. Risk is that this work will not be performed as well as it would be by an experienced, independent QA expert.

RXX. Delays in receiving responses to the seven evaluation criteria will delay the IOC to FOC decision making process.

Risk list needs update